S 608

OBSTRUCTION DATA SHEET

ODS 608
HULMAN REGIONAL AIRPORT
TERRE HAUTE, INDIANA

DIGITIZED FROM

OC 608
SURVEYED OCTOBER 1990
10TH EDITION

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OBSTRUCTION DATA SHEET

The Obstruction Data Sheet (ODS) provides digital obstruction and runway data for use in aircraft arrival and departure planning. This information has been obtained using field survey and photogrammetric methods by the Photogrammetry Branch of the National Ocean Service in accordance with Federal Aviation Regulations Part 77 (FAR-77), "Objects Affecting Navigable Airspace" and FAA Nr. 405, "Specifications - Airport Obstruction Chart and Related Products."

The ODS is a derivative of the Airport Obstruction Chart (OC). The source OC is indicated on the ODS cover. All objects, both obstructing and nonobstructing, that carry an elevation on the OC are listed in the ODS. The ODS (and OC) depict a representation of objects that existed at the time of the OC field survey.

ODS information is arranged as follows:

1. Objects located in FAR-77 approach (including supplemental approaches if present) or primary areas are listed with the associated runway (reference runway). For example, all objects in the Runway 9R approach or primary are listed with Runway 9R. Distances to these objects are computed from both the physical end and threshold of Runway 9R. Objects in the Runway 27L approach or primary are listed with Runway 27L. (Objects in the common 9R/27L primary area are listed with both runways.)

2. All objects not included in "1" above are listed with the Airport Reference Point (ARP).

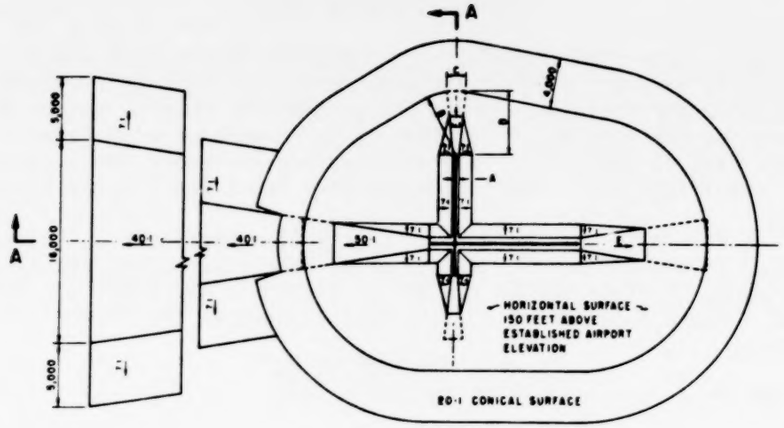
3. Runway configuration and runway lengths, widths, and elevations are presented on the ODS last page.

The FAR-77 imaginary approach surfaces for which the obstruction surveys were performed are coded in the ODS as follows (see footnote 2 on page 3):

A(V) ..... Utility runway - visual approach only
A(NP) .... Utility runway - nonprecision instrument approach
B(V) ..... Nonutility runway - visual approach only
C .... Nonutility runway - nonprecision instrument approach with visibility minimums greater than 3/4 mile
D .... Nonutility runway - nonprecision instrument approach with visibility minimums as low as 3/4 mile
PIR ...... Precision instrument runway
SUPLC ... Supplemental C underlying a B(V)

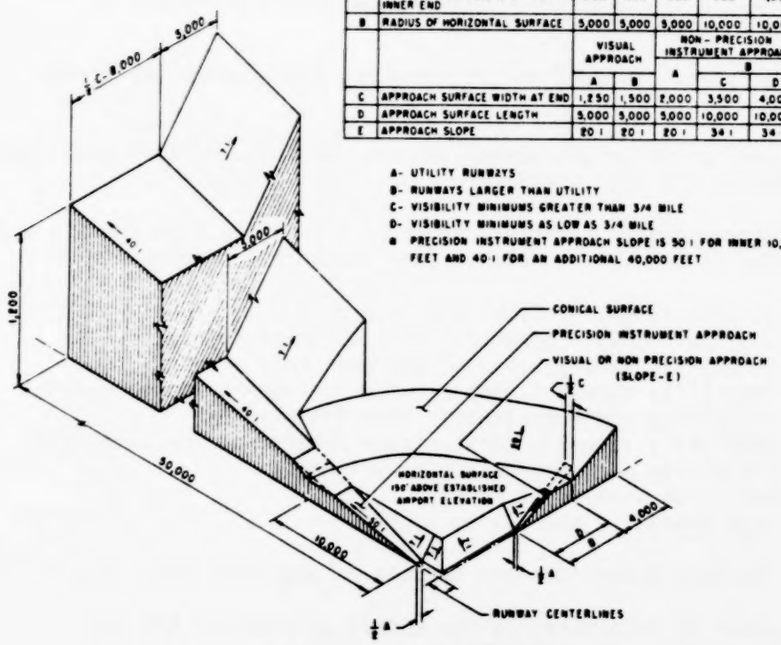
FAR-77 imaginary surface dimensions are defined on page 2 of this report.

Primary surface width is determined by the widest approach at the two approach/primary interfaces for that runway.



DIM	ITEM	DIMENSIONAL STANDARDS (FEET)					
		VISUAL RUNWAY		NON-PRECISION INSTRUMENT RUNWAY			PRECISION INSTRUMENT RUNWAY
		A	B	A	B		
					C	D	
A	WIDTH OF PRIMARY SURFACE AND APPROACH SURFACE WIDTH AT INNER END	250	500	500	500	1,000	1,000
B	RADIUS OF HORIZONTAL SURFACE	5,000	5,000	5,000	10,000	10,000	10,000
		VISUAL APPROACH		NON-PRECISION INSTRUMENT APPROACH			PRECISION INSTRUMENT APPROACH
		A	B	A	B		
					C	D	
C	APPROACH SURFACE WIDTH AT END	1,250	1,500	2,000	3,500	4,000	16,000
D	APPROACH SURFACE LENGTH	5,000	5,000	5,000	10,000	10,000	*
E	APPROACH SLOPE	20:1	20:1	20:1	34:1	34:1	*

A- UTILITY RUNWAYS
B- RUNWAYS LARGER THAN UTILITY
C- VISIBILITY MINIMUMS GREATER THAN 3/4 MILE
D- VISIBILITY MINIMUMS AS LOW AS 3/4 MILE
* PRECISION INSTRUMENT APPROACH SLOPE IS 50:1 FOR INNER 10,000 FEET AND 40:1 FOR AN ADDITIONAL 40,000 FEET



ISOMETRIC VIEW OF SECTION A-A

FAR-77 CIVIL AIRPORT IMAGINARY SURFACES

ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

x^{1} x^{2} XXXX/XXXX^{3} XXXXXX.XXX^{4} XXXXXXX.XXX^{4} XXXXXXX^{5} XXXX/XXXX^{6} XXXXXX.XXX^{7} XXXXXXX.XXX^{7}

OBJECT	LAT	LONG	A[8]	ELEV[9]	AGL[10]	HAR[11]	HAT[11]	HAA[11]	DEND[12]	DTHR[12]	DCLN[12]	PNTR[13]
XXXXXXXXXX	XXXXXX.XXX	XXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXX	XXXXXX.XXX	XXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX

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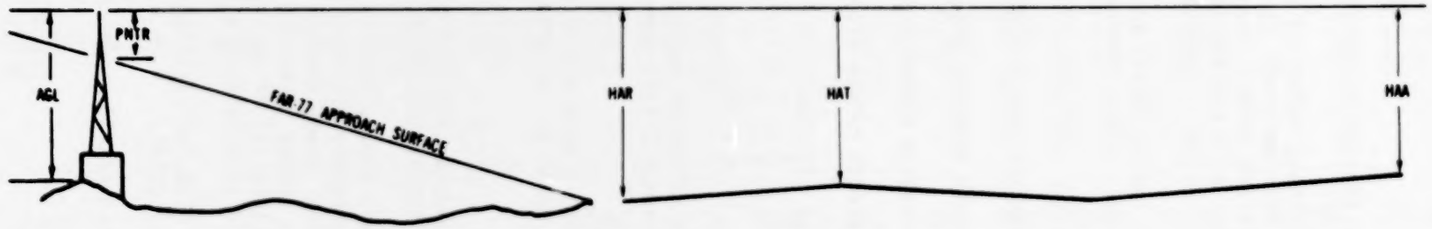
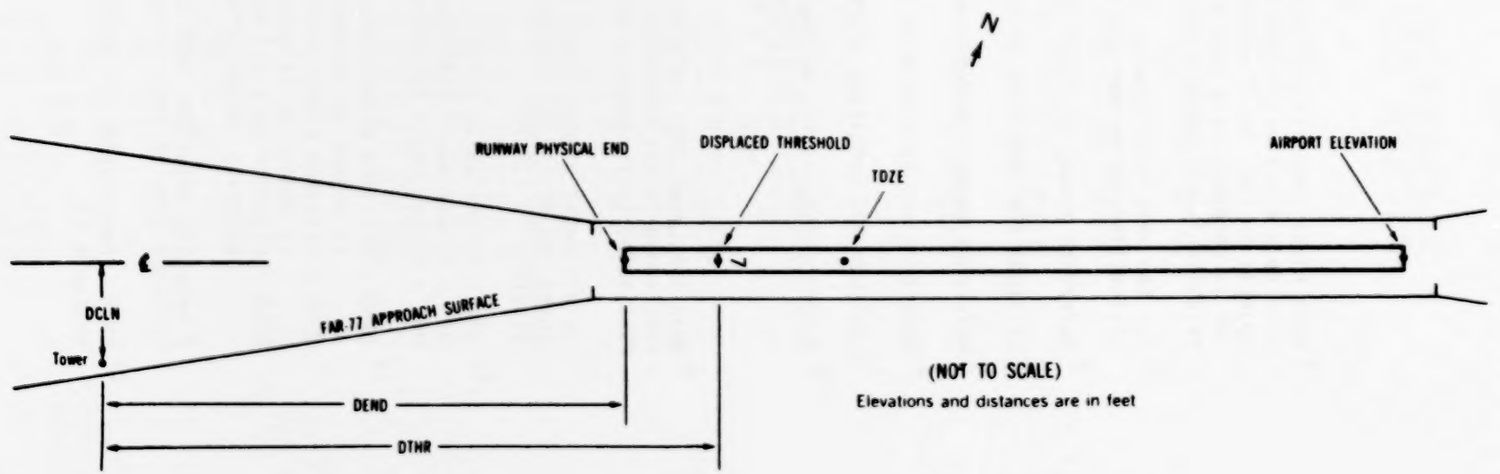




(NOT TO SCALE)

Elevations and distances are in feet

EXPLANATION OF FOOTNOTES

[1] Data block identifier. If a runway number is entered (reference runway), this data block will contain data pertinent to the reference runway and to objects in the FAR-77 approach and primary area of the reference runway. If ARP is entered, this data block will contain the ARP position and data relative to all objects not in an FAR-77 approach or primary area.

[2] For the reference runway, the lowest FAR-77 approach surface for which an obstruction survey was performed. (More than one surface may be surveyed.)

[3] Reference runway approach physical end elevation/touchdown zone elevation

[4] Latitude and longitude of reference runway approach physical end

[5] Reference runway geodetic azimuth reckoned clockwise from south

[6] Reference runway displaced threshold elevation/touchdown zone elevation

[7] Latitude and longitude of reference runway displaced threshold

[8] Accuracy Code:

	Horizontal	Vertical
	1 = 20	A = 2
	2 = 40	B = 5
		C = 20

[9] Mean Sea Level (MSL) elevation at top of object. This value includes 15 feet added to noninterstate roads, 17 feet added to interstate roads, and 23 feet added to railroad tracks.

[10] Height above ground level (AGL). AGLs are provided only for those objects appearing on the OC that are equal to, or greater than, 200 feet AGL. AGL accuracy is ±10 feet.

[11] HAA - Height above airport
HAR - Height above reference runway approach physical end
HAT - Height above reference runway touchdown zone elevation

[12] DEND - Distance along reference runway centerline from point perpendicular to object to reference runway approach physical end
DTHR - Distance along reference runway centerline from point perpendicular to object to reference runway threshold
DCLN - Distance left (L) or right (R) of reference runway centerline as observed facing forward in a landing aircraft.

A negative value for DEND or DTHR indicates object is in primary area on roll-out side of zero distance point.

[13] PNTR - Penetration of indicated FAR-77 approach or primary surface (see footnote 2).

OC0608

AIRPORT ELEVATION 585

5 PIR 572/573 392625.754N 0871923.296W 2271219

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	392655.68	0871833.99	1A	575		3	2	-10	-4896		405R	1
OL ON GLIDE SLOPE	392633.69	0871919.76	1A	614		42	41	29	-749		400L	42
SIGN	392628.00	0871925.88	1A	575		3	2	-10	-5		304L	3
TREE	392618.02	0871923.99	1A	587		15	14	2	571		537R	8
TREE	392624.00	0871934.76	1A	588		16	15	3	781		481L	4
TREE	392616.90	0871930.18	1A	585		13	12	0	1005		290R	-3
TREE	392620.41	0871937.79	1A	607		35	34	22	1202		375L	15
TREE	392618.37	0871936.63	1A	582		10	9	-3	1275		162L	-12
TRANSMISSION TOWER	392612.14	0871954.42	1A	605		33	32	20	2728		648L	-18
SIGN	392605.63	0871959.89	1A	634		62	61	49	3491		457L	-4
TRANSMISSION TOWER	392600.73	0871954.52	1A	618		46	45	33	3518		193R	-20
TREE	392558.18	0872012.10	1A	655		83	82	70	4705		554L	-7

23 C 583/583 392726.311N 0871758.913W 0471313

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
SIGN	392628.00	0871925.88	1A	575		-8	-8	-10	-9015		304R	3
OL ON GLIDE SLOPE	392633.69	0871919.76	1A	614		31	31	29	-8271		400R	42
GROUND	392655.68	0871833.99	1A	575		-8	-8	-10	-4124		405L	1
OL LOCALIZER	392735.46	0871746.17	1A	590		7	7	5	1362		0R	-27
ROD ON BUILDING	392737.59	0871748.69	1A	602		19	19	17	1363		293R	-15
TREE	392744.08	0871742.59	1A	632		49	49	47	2161		450R	-9
TREE	392745.61	0871742.05	1A	644		61	61	59	2297		535R	-1
TREE	392746.29	0871737.03	1A	653		70	70	68	2633		318R	-2
TREE	392744.87	0871723.04	1A	668		85	85	83	3341		533L	-7
TREE	392751.46	0871728.68	1A	667		84	84	82	3469		257R	-12

OC0608

AIRPORT ELEVATION 585

13 SUPLC 568/578 392734.932N 0871837.519W 3145409

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
POLE	392746.90	0871858.70	1A	619		51	41	34	2032		315R	-3
TREE	392746.00	0871901.52	1A	633		65	55	48	2124		535R	8
TREE	392747.80	0871901.53	1A	638		70	60	53	2253		407R	10
TREE	392755.43	0871857.91	1A	663		95	85	78	2597		341L	25
TREE	392752.37	0871905.66	1A	651		83	73	66	2809		308R	6

31 C 585/585 392657.958N 0871749.671W 1345439

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROAD (N)	392653.61	0871748.84	1A	600		15	15	15	356		265L	10
ROAD (N)	392653.60	0871743.79	1A	602		17	17	17	638		14R	4
TREE	392637.74	0871716.39	1A	670		85	85	85	3293		395R	-6

36 A(V) 574/574 392657.695N 0871835.620W 1795351

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	392655.68	0871833.99	1A	575		1	1	-10	204		127R	1
TREE	392627.49	0871833.10	1A	651		77	77	66	3057		193R	-66

OC0608

AIRPORT ELEVATION 585

18 A(V) 569/573 392737.233N 0871835.712W 3595351

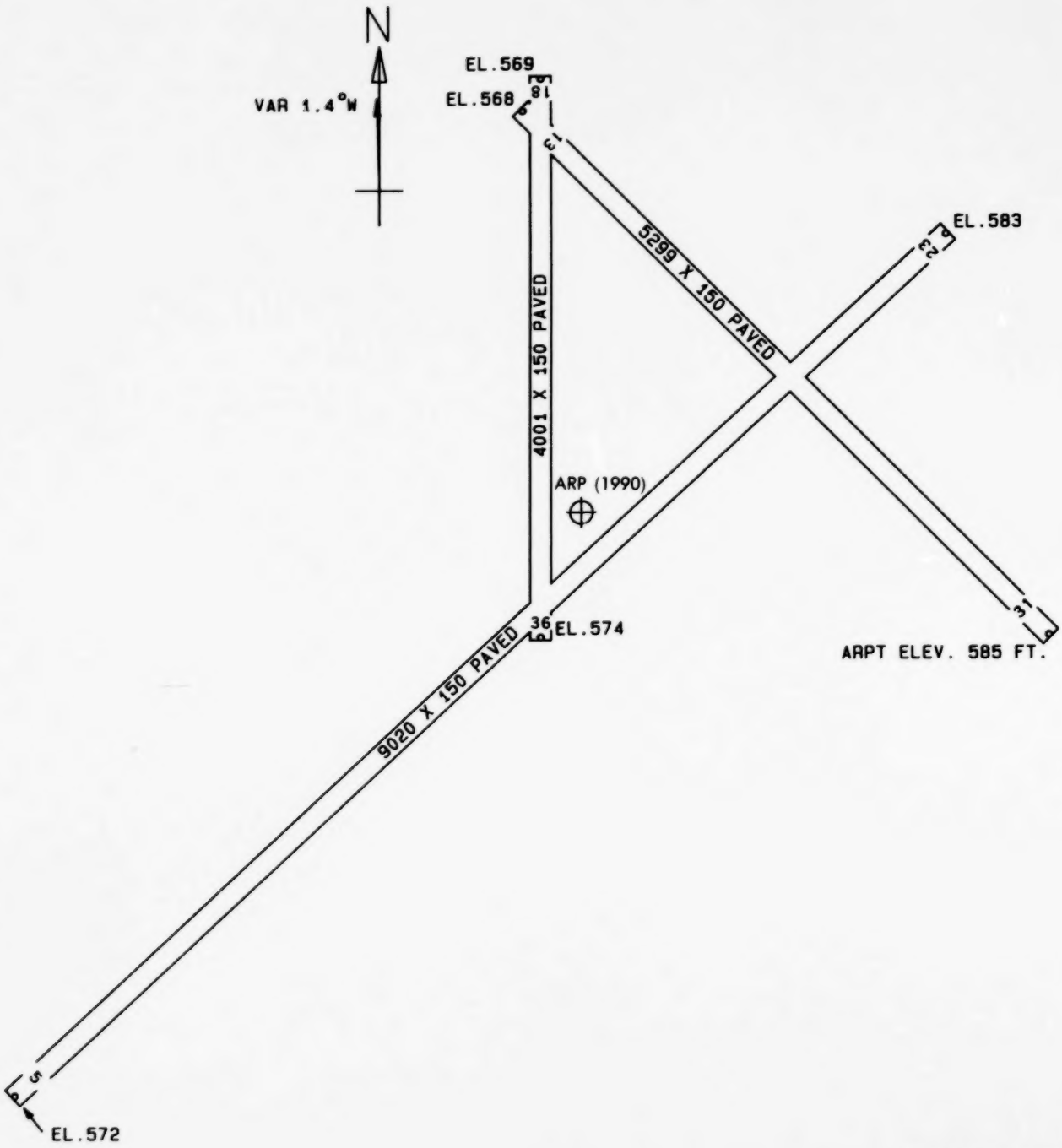
OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	392655.68	0871833.99	1A	575		6	2	-10	-4204		127L	1
POLE	392746.05	0871838.35	1A	591		22	18	6	893		205R	-13
POLE	392746.08	0871835.34	1A	590		21	17	5	895		31L	-14
TREE	392754.68	0871833.10	1A	642		73	69	57	1765		208L	-5
TREE	392758.68	0871834.22	1A	649		80	76	64	2169		121L	-18
TREE	392801.69	0871837.72	1A	652		83	79	67	2475		153R	-31

OC0608

AIRPORT ELEVATION 585

ARP 392706.618N 0871831.962W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
ANTENNA ON ANEMOMETER POLE	392718.43	0871827.53	1A	593		8	17 37	1245
OL RADAR REFLECTOR	392656.76	0871850.34	1A	582		-3	236 44	1753
ROD ON OL ASR	392718.73	0871849.73	1A	670		85	312 43	1856
OL RADAR REFLECTOR	392648.92	0871840.91	1A	586		1	202 48	1924
OL RADAR REFLECTOR	392723.19	0871813.42	1A	587		2	42 19	2220
OL WINDSOCK	392726.11	0871817.01	1A	601		16	32 8	2295
OL RADAR REFLECTOR	392715.37	0871803.95	1A	588		3	69 27	2369
TREE	392734.05	0871845.80	1A	616		31	340 3	2980
OL ANTENNA & APBN ON ATCT	392733.67	0871812.72	1A	637		52	30 16	3126
OL ON FLOODLIGHT	392717.17	0871752.98	1A	651		66	72 9	3239
TREE	392647.67	0871906.72	1A	641		56	236 17	3333
TREE	392636.05	0871850.07	1A	640		55	206 4	3403
TREE	392739.46	0871853.22	1A	637		52	334 45	3718
WINDSOCK ON HANGAR	392743.30	0871825.29	1A	599		14	9 26	3748
ANTENNA ON BUILDING	392719.20	0871746.72	1A	653		68	71 40	3770
TREE	392627.66	0871829.75	1A	655		70	178 53	3946
FLOODLIGHT	392727.92	0871744.03	1A	621		36	61 34	4334
TREE	392752.86	0871825.43	1A	668		83	7 39	4707
TREE	392753.70	0871831.53	1A	642		57	1 48	4764
OL ON RADAR REFLECTOR	392636.34	0871918.59	1A	580		-5	231 28	4771
OL RADAR REFLECTOR	392628.57	0871909.31	1A	583		-2	218 41	4838
TREE	392727.09	0871734.00	1A	680		95	66 54	4996
ROD ON OL TRANSMISSOMETER	392633.54	0871922.42	1A	586		1	231 11	5184
TREE	392745.58	0871746.83	1A	642		57	43 19	5298
TREE	392806.14	0871844.16	1A	671		86	352 23	6098
TREE	392618.62	0871921.95	1A	593		8	220 20	6242
TREE	392609.60	0871926.61	1A	644		59	218 1	7187
WATER TANK	392733.35	0872101.93	1B	709		124	284 22	12070
WATER TANK	392859.17	0871923.44	1B	693		108	341 53	12082
WATER TANK	392912.78	0871826.77	1B	707		122	3 14	12772



TOUCHDOWN ZONE RUNWAY	ELEVATION
5	573
23	583
13	578
31	585
18	573
36	574

HULMAN REGIONAL AIRPORT

TERRE HAUTE, INDIANA

(NOT TO SCALE)